

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>5003073.048PC1</b>	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, Item 5 below.</small>	
International application No. <b>PCT/US2004/035879</b>	International filing date (day/month/year) <b>28/10/2004</b>	(Earliest) Priority Date (day/month/year) <b>31/10/2003</b>
Applicant  <b>STOCKHAUSEN, INC.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☒ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/035879

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08J3/075 C08J3/12 C08L101/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08J C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 567 744 A (NAGATA ET AL) 22 October 1996 (1996-10-22) column 1, line 7 - line 17 column 2, line 39 - line 58 column 3, line 21 - line 35 column 3, line 66 - column 4, line 7 column 4, line 39 - line 65 example 6	11,16
X	US 2003/065296 A1 (KAISER THOMAS A ET AL) 3 April 2003 (2003-04-03) claims 1-20 paragraph '0035! - paragraph '0040! paragraph '0057! - paragraph '0058! ----- -/--	1,6,11, 16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

16 February 2005

Date of mailing of the international search report

02/03/2005

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/035879

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 840 321 A (ENGELHARDT ET AL) 24 November 1998 (1998-11-24) claims 1,4,6 column 4, line 38 - line 50 column 5, line 66 - column 6, line 24 examples 1,2 -----	11
A	CA 2 293 864 A (KIMBERLY-CLARK WORLDWIDE, INC) 30 June 2000 (2000-06-30) claim 1 table 5 -----	1,11
A	WO 91/18042 A (THE DOW CHEMICAL COMPANY) 28 November 1991 (1991-11-28) claims 1,3,7 -----	11

**FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210**

Continuation of Box II.1

Claims Nos 1-18 : all searched in part

Present claims 1-18 relate to a product defined by reference to the following parameters :

Gel Bed Permeability I value and Gel Bed Permeability II value.

The use of the above parameters in the present context is considered to lead to a lack of clarity within the meaning of Article 6 PCT. It is impossible to compare the parameters the applicant has chosen to employ with what is set out in the prior art. The lack of clarity is such as to render a meaningful complete search impossible. Consequently, the search has been restricted to superabsorbent polymer having a thermoplastic polymer applied onto the surface with or without insoluble, inorganic powder.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examination Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2004/035879

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 1-18 all searched partly  
because they relate to subject matter not required to be searched by this Authority, namely:  
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/035879

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5567744	A	22-10-1996	JP 3323232 B2	09-09-2002
			JP 5320523 A	03-12-1993
			CA 2136420 A1	09-12-1993
			CN 1082429 A ,C	23-02-1994
			DE 69332690 D1	20-03-2003
			DE 69332690 T2	18-09-2003
			EP 0641835 A1	08-03-1995
			WO 9324575 A1	09-12-1993
			KR 259994 B1	15-06-2000
US 2003065296	A1	03-04-2003	US 2002094549 A1	18-07-2002
US 5840321	A	24-11-1998	DE 19524724 A1	09-01-1997
			AT 238374 T	15-05-2003
			CA 2180590 A1	08-01-1997
			DE 59610360 D1	28-05-2003
			EP 0755964 A2	29-01-1997
			TR 970040 A2	21-01-1997
CA 2293864	A1	30-06-2000	US 2002045869 A1	18-04-2002
			AU 766400 B2	16-10-2003
			AU 2597100 A	31-07-2000
			BR 9916637 A	18-09-2001
			CN 1354646 T	19-06-2002
			EP 1143900 A1	17-10-2001
			JP 2003517046 T	20-05-2003
			KR 2001089739 A	10-08-2001
			PL 349510 A1	29-07-2002
			TR 200101909 T2	22-07-2002
			TW 473384 B	21-01-2002
			WO 0038610 A1	06-07-2000
			US 2001049514 A1	06-12-2001
			ZA 200104404 A	29-05-2002
WO 9118042	A	28-11-1991	AU 7863091 A	10-12-1991
			CA 2082623 A1	20-11-1991
			EP 0530231 A1	10-03-1993
			WO 9118042 A1	28-11-1991
			JP 5507511 T	28-10-1993